

UNITED STATES GOVERNMENT

Memorandum

EP 64-260

TO : The Files: Contract 646, Task Order 39

DATE: 4 November 1964

25X1A9a FROM : Mr. [REDACTED]

INVESTIGATION REPORT NO. 7

25X1A

SUBJECT: Trip Report - RS-43 with [REDACTED]

1. Project Description:

25X1C1a1

The RS-43 is a [REDACTED]

X1C1a1

2. Contractual Information:

- a. Initial Cost: \$82,270.00 Overrun: \$49,815.00
- b. Request for Procurement Action: 1 November 1962
- c. Initiation Date: 14 January 1963
- d. Completion Date: 14 September 1963 Extension: 30 September 1964
- e. Deliverable Items: 2 Engineering Models
8 Prototypes

3. Date of Meeting: 30 October 1964

4. Place of Meeting: [REDACTED]

5. Persons Attending:

Agency

Non-Agency

25X1A9a

Mr. [REDACTED]
Mr. [REDACTED]

Mr. [REDACTED]
Mr. [REDACTED]

25X1A5a1

6. Contractor's Performance:

- a. On schedule and expected to remain so: No
- b. Within obligated funds and expected to remain so: No
- c. Satisfactory technical progress: Yes

7. Project Status:

GROUP 1
Excluded from automatic
downgrading and
declassification

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7. Project Status:

The contractor's request for additional funds and an extension of time has not yet been granted. When acted upon, this will bring the program again within funds and on time.

Several modifications have been made to a breadboard RS-43 and to one of the eight prototype models. These modifications include a change in biasing on the diodes in the circulator switch, a different driver transistor in a new parallel configuration in the solid state source, and changes in the varactor multiplier in the solid state source. As a result, the power output in the transmit position has been improved from less than 20 milliwatts to more than 40 milliwatts: The power output in the receive position has been reduced from more than .4 milliwatts to less than .02 milliwatts; the minimum discernable signal in the receiver has been reduced from 1.2 millivolts to .7 millivolts; the current drain has been reduced by 10% and the operating voltage range has been increased from 13-15 volts to 10-15 volts.

Two units are scheduled for delivery 18 November 1964. An additional two units will be delivered 31 December 1964. The remaining four units will be delivered 15 February 1965. Most of the work involved in fabrication of these eight units has already been done. Little more than minor modification is required. The contractor was questioned as to why this modification should take several months. Many reasons were offered but none of these reasons seemed particularly significant. My personal conclusion is that virtually all profit by this program has been eaten up by overruns and this is a low priority program to the contractor. If we develop an urgent requirement for these eight units, I believe that the contractor could expedite their delivery by several weeks.

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OC-E/R&D-EP/[REDACTED]/amw

(4 November 1964)

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